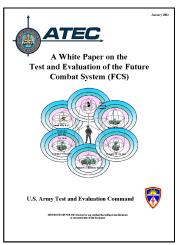
#### Test and Evaluation in Support of Army Transformation







Quality Control for the US Army

**Army Test and Evaluation Comman** 



### Purpose



To describe a successful strategy for the Army's test and evaluation program for FCS, which:

- Avoids the pitfalls of the past
- Challenges the program
- Minimizes risk
- Moves FCS forward



### **Facts**



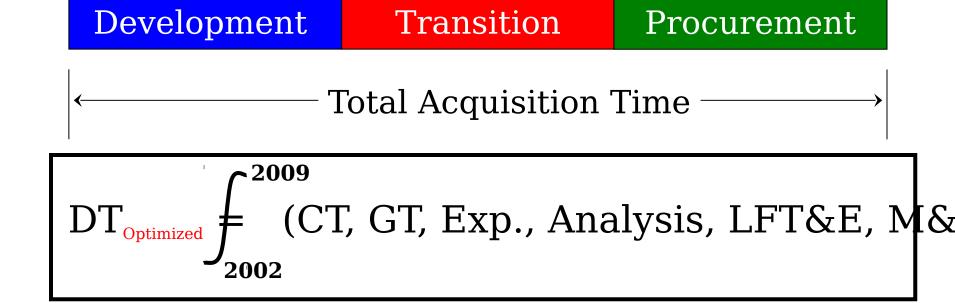
• In order to acquire FCS, the ARMY must prove the System of Systems Effective, Suitable, and Survivable.

 In order to <u>prove</u> the above, the FCS <u>must be</u> Effective, Suitable, and Survivable.



# A New Acquisition Paradigm





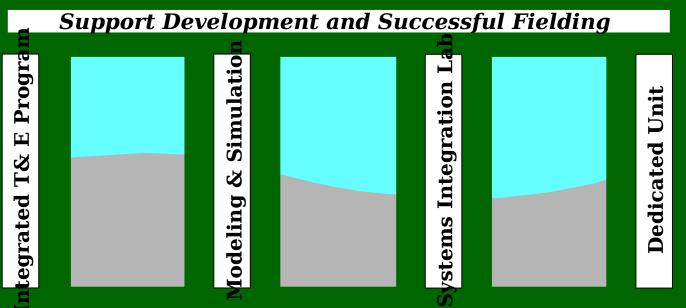
To minimize transition time, the Army must optimize developmental testing



## A T&E Strategy for FCS

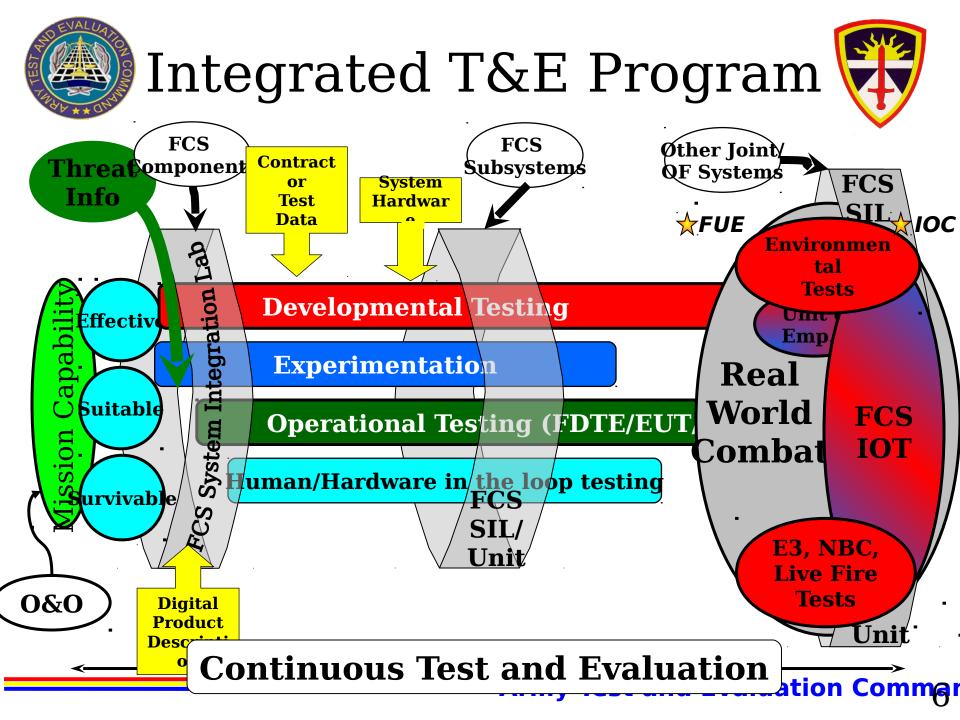


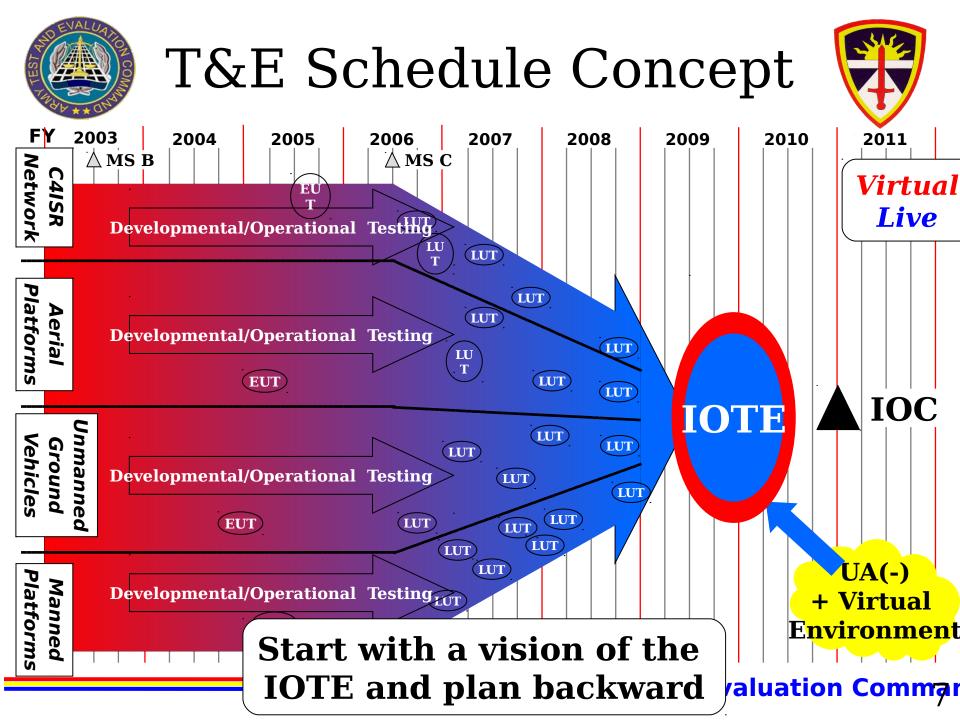
#### FCS T&E



**Combined Test Organization** 

An appropriate T&E program is essential to mitigate program risks







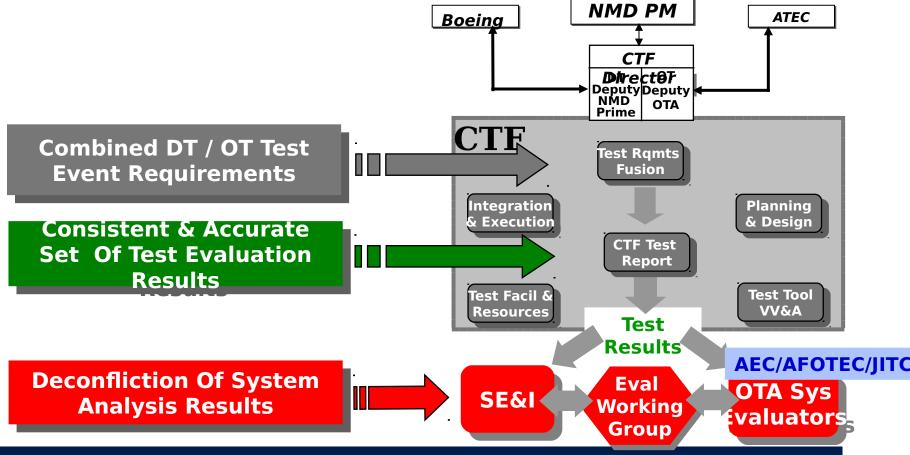
# Combined Test Facility



- A truly integrated test and evaluation program synchronizes the efforts of the contractor, program manager, and government tester
- GMD has pioneered this concept through its Combined Test Facility (CTF)
- FCS should exploit this model



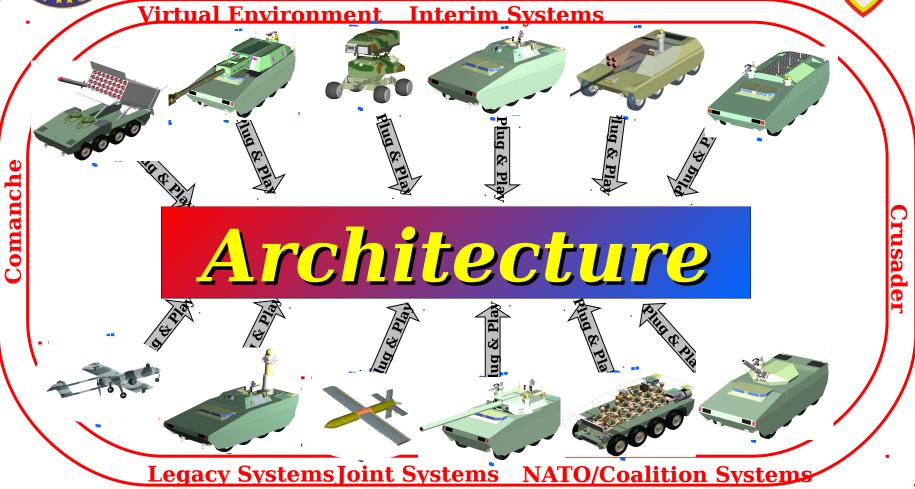
# GMD CTF Model Can Be a Model for FCS



- CTF Test Requirements Fusion WG Produces Combined DT / OT Test Rqmts
- CTF Test Evaluation Team Produces Accurate & Consistent Test Eval Results
- Analysis Working Group Provides Deconfliction Of Systems Analysis MMQ

Modeling & Simulation



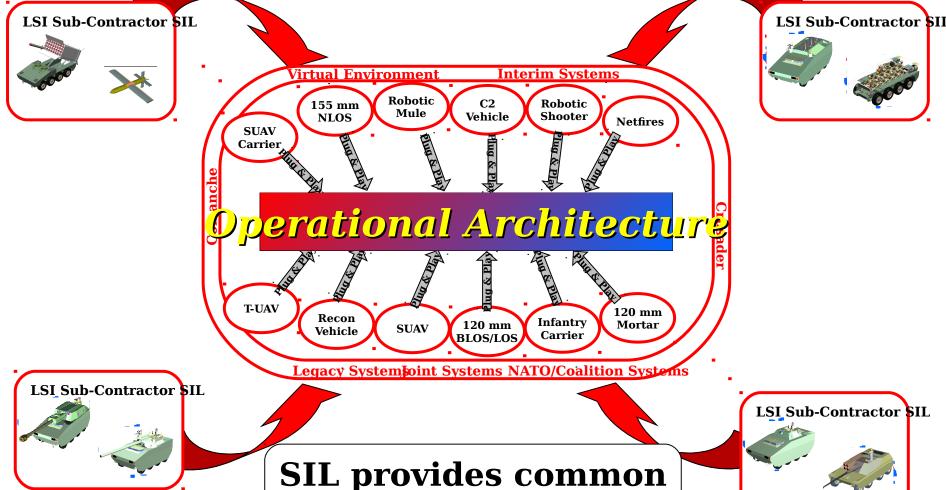


From Constructive to Virtual to Live



Systems Integration Lab





set of analytic tools



### Dedicated Unit



Everyone needs soldier feedback:



- TTP Development
- Experimentation <
- Organization Design



- User Juries
- Design & Development
- Early User Input

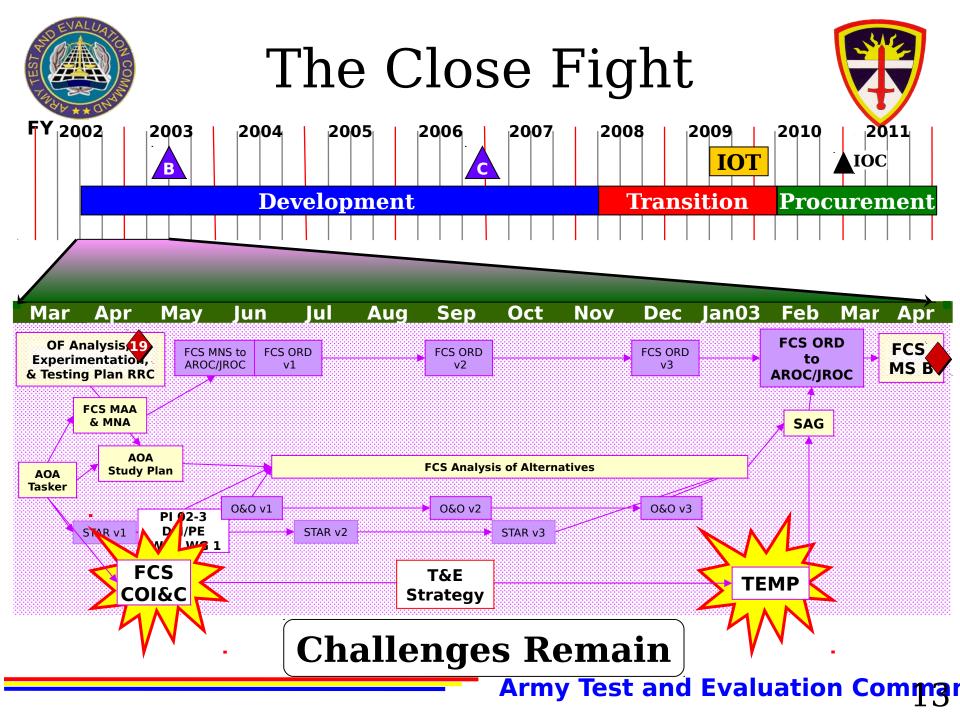


- Soldiers for DT
- EUT
- LUT
- IOTE



- TSARC
- Dedicated BCT
- National Guard
- NTC OPFOR
- FUE

Accelerated development and fielding through continuous user feedback





## Summary



#### <u>Task</u> <u>Responsible</u> <u>Suspense</u>

- 1. Integrated T&E
  - Create a Combined Test Organization PM, LSI, ATEC May 02
  - Publish T&E Strategy ATEC Aug 02
  - Publish TEMP PM Mar 03
- 2. Support M&S development
  - Create M&S Czar PM
  - Identify M&S requirements for T&E

    ATEC
  - Coordinate M&S plans ATEC, LSI, PM Aug 02
  - Fund M&S G-8 Jun 02
- 3. Systems Integration Labs
  - Coordinate T&E use of SIL ATEC, LSI Aug 02
- 4. Dedicated unit
  - Approve requirement CSA May 02

